

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	techoptimizer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/23 16:48
L2	1	1 and geographic\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/23 16:49
L3	1	semantic\$6 with query with geograph\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/23 16:50
L4	5421	query near4 time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/23 16:50
L5	76	(geographic\$5 or organization or area)with 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/23 16:51
L6	14	5 and "search criteria"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/23 16:51
S1	1	("6167370").PN.	USPAT; USOCR	OR	OFF	2005/07/11 13:32
S2	65	contradict\$5 with index\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 13:37
S3	8397	"natural language"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 13:37

S4	4	S2 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 13:39
S5	6	techoptimizer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/23 16:48
S6	265	S3 and contradict\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 14:08
S7	74	S6 and engineering	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 14:08
S8	48	S7 and semantic\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 14:48
S9	2	restat\$6 with contradict\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 14:50
S11	0	rephras\$4 with contradict\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 14:55
S12	6506	suggest\$3 near4 solution	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 14:55

S13	40	S3 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 14:55
S14	3	S13 and contradict\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 15:48
S15	114	form near4 contradict\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 15:49
S16	1	query with S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 15:49
S17	18	query and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 16:02
S18	2	semantically adj1 indexed adj1 database	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/11 16:02


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Terms used **constrained**
optimization **contradiction** **natural** **language** **query**

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Paris C. Kanellakis, Gabriel M. Kuper, Peter Z. Revesz

April 1990 **Proceedings of the ninth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems**

Full text available: [pdf\(1.54 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We discuss the relationship between constraint programming and database query languages. We show that bottom-up, efficient, declarative database programming can be combined with efficient constraint solving. The key intuition is that the generalization of a ground fact, or tuple, is a conjunction of constraints. We describe the basic Constraint Query Language design principles, and illustrate them with four different classes of constraints: Polynomial, rational order, equality, and Boolean ...

2 [Bioinformatics—an introduction for computer scientists](#)

Jacques Cohen

June 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 2

Full text available: [pdf\(261.56 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The article aims to introduce computer scientists to the new field of bioinformatics. This area has arisen from the needs of biologists to utilize and help interpret the vast amounts of data that are constantly being gathered in genomic research---and its more recent counterparts, proteomics and functional genomics. The ultimate goal of bioinformatics is to develop in silico models that will complement in vitro and in vivo biological experiments. The article provides a bird's eye view of the ...

Keywords: DNA, Molecular cell biology, RNA and protein structure, alignments, cell simulation and modeling, computer, dynamic programming, hidden-Markov-models, microarray, parsing biological sequences, phylogenetic trees

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Business & High-Tech Editors. Business Wire. New York: Oct 29, 2002. p. 1

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Paul Dvorak. Machine Design. Cleveland: Jan 11, 2001. Vol. 73, Iss. 1; p. 142 (1 page)

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3. **[Invention Machine Introduces Enhanced TechOptimizer; TechOptimizer 3.5 Provides a User-Friendly Environment and More Than 1500 New Effects](#)**
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5. **[Saipem Purchases \\$400k of Invention Machine Corporation Software](#)**
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